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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	<b>Application Number</b>	10/608,653
	<b>Filing Date</b>	Jun 27, 2003
	<b>First Named Inventor</b>	Morais
	<b>Group Art Unit</b>	
	<b>Examiner Name</b>	
<b>Total Number of Pages in This Submission</b>		<b>Attorney Docket Number</b> MS1-1430US

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s) Sheets	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Form PTO-1449; reference copies (12); return receipt postcard
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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
<b>Remarks</b>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Frederick M. Fliegel, Reg. No. 36,138
Signature	
Date	Nov. 18, 2003

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: _____	
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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ ) 0.00

## Complete if Known

Application Number 10/608,653  
Filing Date Jun 27, 2003  
First Named Inventor Morais  
Examiner Name  
Art Unit  
Attorney Docket No. MS1-1430US

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

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Deposit  
Account  
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Account  
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12-0769

Lee & Hayes, PLLC

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## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$ )

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ )

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ )

## SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Frederick M. Fliegel	Registration No. (Attorney/Agent)	36,138	Telephone	509-324-9256
Signature		Date	Nov 15, 2003		

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No. .... 10/608,653  
Filing Date ..... Jun 27, 2003  
Inventorship ..... Morais  
Applicant ..... Microsoft Corporation  
Attorney's Docket No. .... MS1-1430US  
Title: Systems and Methods for Caching in Authentication Systems

**INFORMATION DISCLOSURE STATEMENT**


*References -- See Attached Form PTO-1449*

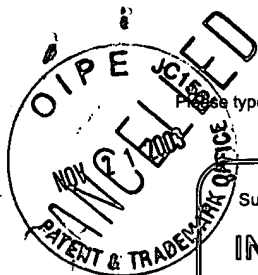
**REMARKS**

The citations listed, copies attached, are submitted in compliance with the duty of disclosure defined in 37 CFR §1.56. The Examiner is requested to make these citations of official record in this application.

Respectfully Submitted,

Date: Nov 19 2003

By:   
Frederick M. Fliegel  
Reg. No. 36,138



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Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

### Complete if Known

Application Number	10/608,653
Filing Date	Jun 27, 2003
First Named Inventor	Morais
Group Art Unit	
Examiner Name	
Attorney Docket Number	MS1-1430US



### NON PATENT LITERATURE DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		WANG Xue-yan, CHEN Qian-bin, "HASH Function Implementation of the Integrity of Data in WAP's WTLS," Journal of Chongqing University of Posts and Telecommunications, June 2002, Vol. 14, No. 2, pp. 57-61, China.	
		Hajime WATANABE, Toru FUJIWARA, Tadao KASAMI, "An Improved Method for Formal Security Verification of Cryptographic Protocols," IEICE Trans. Fundamentals, July 1996, Vol. E79-A, No. 7, pp. 1089-1096, Japan.	
		Sead MUFTIC, Morris SLOMAN, "Security architecture for distributed systems," Computer Communications, July 1994, Vol. 17, No. 7, pp. 492-500, Butterworth-Heinemann Ltd., United Kingdom.	
		Ian DOWNNARD, "Public-key cryptography extensions into Kerberos," IEEE Potentials, December 2002/January 2003, pp. 30-34, The Institute of Electrical and Electronics Engineers, Inc., New York.	
		Cheolhyun KIM, Ilyong CHUNG, "An Efficient Kerberos Authentication Mechanism Associated with X.509 and DNS (Domain Name System)," IEICE Trans. Inf. & Syst., September 2002, Vol. E85-D, No. 9, pp. 1384-1389, Japan.	
		Naomaru ITOI, Tomoko FUKUZAWA, Peter HONEYMAN, "Secure Internet Smartcards," Java Card 2000, LNCS 2041, pp. 73-89, 2001, Springer-Verlag Berlin Heidelberg.	
		Stelvio CIMATO, "Design of an Authentication Protocol for Gsm Javacards," ICICS 2001, LNCS 2288, pp. 355-368, 2002, Springer-Verlag Berlin Heidelberg.	
		Ed DAWSON, Andrew CLARK, Mark LOOI, "Key management in a non-trusted distributed environment," Future Generation Computer Systems 16 (2000), pp. 319-329, Elsevier Science B.V.	
		O. ELKEELANY, M. M. MATALGAH, K. P. SHEIKH, M. THAKER, G. CHAUDHRY, D. MEDHI, J. QADDOUR, "Performance Analysis of IPSec Protocol: Encryption and Authentication," 2002 IEEE International Conference on Communications, pp. 1164-1168.	
		Olga KORNIEVSKAIA, Peter HONEYMAN, Bill DOSTER, Kevin COFFMAN, "Kerberized Credential Translation: A Solution to Web Access Control," 10th USENIX Security Symposium, pp. 235-248, USENIX Association.	
		DING Yi-fan, et al., "Study of access control technologies and system in Extranet," Computer Integrated Manufacturing Systems, Vol. 7, No. 1, Jan. 2001, pp. 7-15, China (one copy of reference includes figures, copy from Internet includes Abstract).	

Examiner  
Signature

Date  
Considered

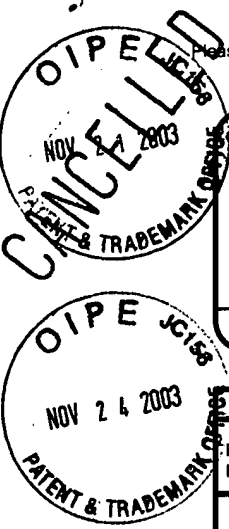
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<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	10/608,653
				Filing Date	Jun 27, 2003
				First Named Inventor	Morais
				Group Art Unit	
				Examiner Name	
				Attorney Docket Number	MS1-1430US
Sheet	2	of	2		

[illegible]

Examiner Signatur		Date Considered	
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